

ABSTRACT OF THE DISCLOSURE

5 A cellular mobile telephone system usable on board a passenger transport vehicle includes a first transmitter-receiver station on board the vehicle and connected to an antenna external to the vehicle to establish an external radio link between the vehicle and a terrestrial mobile telephone network via a satellite. A base station system having at least one antenna inside the vehicle is connected to a base station controller. The base station system and the base station controller have functions analogous to those of a base station system in a standard mobile telephone network.